

## **A framework for flood impact assessment in urban areas**

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**Abstract** Urban flooding affects millions of people worldwide, and with urban populations projected to grow, this problem is likely to become more pressing in the future. Increasing urban flood resilience through the implementation of resilience strategies is a way to improve the management of flood risk. So that the effectiveness of various resilience strategies can be evaluated, it is vital that the impacts of flooding can be assessed in a comprehensive and consistent manner. To this end, a framework has been developed that will incorporate all the major impacts of floods. It has long been noted that the development of such a framework is fraught with difficulties, but it is necessary if we are to make progress in understanding the wider impacts of flooding. In this paper, the developing flood impact assessment framework is outlined, as well as laying out the principles that will underpin future research.

**Key words** flood management; flood risk; impact assessment; flood resilience